

## Meeting Notice

This month's meeting will be held at a new location, Lafayette Federal Savings and Loan, Walnut Creek, on August 17th at 8:00 PM. The building is situated at the intersection of North Broadway and Cypress Streets. Enter via the Redwood Room on the North side.

No Smoking

Repeater Meeting tentatively scheduled for September 12 at Grace Presbyterian Church, 2100 Tice Valley Blvd., Walnut Creek at 8:00 PM.

## Guest Speaker

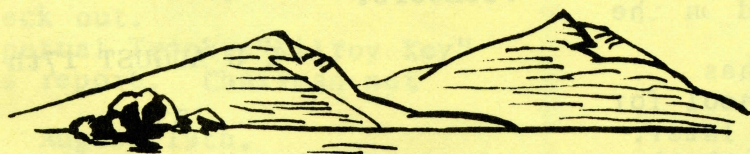
Esther Given, W6BDE. Her subject will be "Y Ls in Ham Radio." More details on Page 2.

## Coming Events

Picnic - August 19th - See President's Corner, Page 4.

Flea Market - See Page 3 - September 22

Tech Forum - To begin meeting on 15 meters, August 20th - Page 10



Award Winning

# the CARRIER.....

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MDARC FIELD DAY CALL W6CX; 2M REPEATER WR6AHK; 220 REPEATER WR6ARG; MEMORIAL CALL SIGN W6LGW

VOLUME XXVII

August 1979

No. 8

EDITOR: Bob Young, KC6F; 408 Turrin Dr, Pleasant Hill CA 94523; Phone 415 935-7566 271-2567

President.....W6AMH	Hank Herting	527 Banyon Cr	Walnut Creek	94598	935-4032
Vice President.....WA6MWU	Chuck Welch	102 Rolling Green	Pleasant Hill	94523	676-5262
Secretary.....WB6FOA	Salley Nikkel	778 Harvard Dr	Pleasant Hill	94523	unlisted
Treasurer.....WA6OJT	Dick Webster	3415 Sweet Dr	Lafayette	94549	284-2046
Emergency Coordin'trW6LKE	Dwayne Eskridge	Box 5502	Walnut Creek	94596	932-3971
Board Member.....W6PFW	Ted Durst	9 San Ardo Ct	Walnut Creek	94598	937-1463
Board Member.....WD6APL	Joe Campbell	3215 Caravelle Ct	Walnut Creek	94598	939-6567

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Deadline for Next Issue: Articles by September 1, Want Ads by September 4

Next Board Meeting at QTH of Joe Campbell, WD6APL, 3215 Caravelle Ct., Walnut Ck



## MDARC GENERAL MEETING JULY 20, 1979

President Hank Herting W6AMH called the Club to order at 8:15p.m. and turned the gavel over to Vice-Pres. Chuck Welch, WA6MWU.

Chuck introduced our member, John Widener, WB6UMT. John spoke on Traffic Handling: originating of a message, counting words in messages, the ARL check, book messages, transmitting the message, receiving the message, delivering the message and the responsibility. (note: a good book of reference: "Operating an amateur radio station" twenty-five cents from ARRL).

Each one present received a "ARRL Recommended precedences & Handling Instruction sheet" also a copy of the ARRL Radiogram sheet.

Very well presented by WB6UMT, thank  
you John.

After a short question and answer period the group adjourned for a short time.

Due to John, WB6UMT having to go to his work QTH the club business meeting followed the speaker. At 9p.m. President Hank called the club to order for business.

The minutes as in the carrier were approved.

The treasurer's report: checking \$834.40 and savings \$715.48. Approved.

Doug Smith, WA6GON, reported on the progress for Club Station at the Red Cross bldg. Also had some fine pictures to show to prove it.

Ron Miller, WB6JGV, reported on the work of RACES.

Education: Bob, KA6Q, club has applied to use College Park School for radio classes this fall. More later.

Bob, KC6F, All going well with the carrier, Parky, added those helping assemble the carrier, also Linda Lange, WA6NTE, help in typing the name labels, and the many others who take part. Club members appreciate all of those helping to make our carrier so interesting to read.

Welcome to all visitors present.

Chuck WA6MWU, accounced August Speaker will be Esther Given, W6BDE, from the Bay Larc (Bay Area Young Ladies Amateur Radio Club), a group a few of our own members belong to. Esther will speak of the Y.L.'s in Ham Radio.

Field Day: Jim, KB6F, reported the Club has 283 paid members to date. Field Day was very successful. Described the antennas used on Diablo and the highlights of Field Day week-end.

President Hank announced the picnic for August 19th.

Board meeting July 23rd, QTH W6PFW.

TVI Comm: Joe, K6VLH reports all has been quiet until meeting nite he received two reports needing the comm. help.

M.M.S & C to adjourn. Followed by the Prize drawing by Ron, K6XC.

A rather fun nite and enjoyed by all.

Respectfully submitted,  
Sally Nikkel WB6FOA, Sec.

Attention all "Y L's"

August 17th is our nite. Please come to meeting and come early for an "Eyelash QSL" with our speaker Esther Given, W6BDE of Moss Beach, California.

Esther will speak on "Y L's in  
Ham Radio".

Esther has been licensed since 1946. She served in the WAC in WWII as a High Speed Radio Operator. She spent the final year in the service of her country as Chief Radio Operator on a U. S. Army Hospital Ship.

She retired in 1976 after having served as 4-H secretary in San Mateo County's Cooperative Extension Office.

Esther is a member of BAYLARC (Bay Area Young Ladies Amateur Radio Club), Y L R L (Young Ladies Radio League), QCWA and Society of Wireless Pioneers.

C U AUGUST 17th

'33

Salley WB6FOA

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P R I Z E S

Ron, the Prize Committee  
Chairman, says some interesting  
goodies will be awarded at the  
next meeting.

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MDARC BOARD MEETING JULY 23, 1979

Board met at QTH of W6PFW with Ruth Durst hostess, Ted called out of town. Ruth, we the Board do thank you and appreciate your graciousness.

Hank Herting, President called the Board to order at 8:05p.m. Minutes were approved as in the carrier. Secretary reported her correspondence of the get-well cards, mailed to members, and the thank-you letters written.

Program: Chuck, WA6MWU, August speaker, Esther Given W6BDE will speak on YL's in Ham Radio.

Hal Mumford, W6CU, reported he has two QSL's received for Field Day.

Treasurers report: Checking \$954.46 and savings \$715.48. Dick, WA6OJT, asked for an audit to be made within the next two weeks. President Herting appointed K6IMV, W6CU, and WD6APL.

Doug Smith, WA6GON reported the progress being made at the Red Cross W6LGW Memorial Station. Some contributions of cash has been made to this cause those (Secty knows of) Vern, K6UGS, and WA6GON. If there are others please let it be known. Anyone may donate and it is a deduction.

Carrier Editor: Bob KC6F, No Problems. The carrier has received many fine compliments.

Education: Bob KA6Q reports the application for radio classes has been made to College Park High school for fall classes.

TVI Comm: K6VLH Joe, has two that he will check out.

The Perpetual Trophy: "Kilroy Key" no progress report. Chairman not present.

Picnic: August 19th.

Membership and Field Day: Jim, KB6F not present, no report.

M.M.S & C. That the club have a "Flea Market" in place of the October acution. This to be the Saturday following regular Friday Club meeting. More on this later.

M.M.S & C. authorizing Warren Peterson, WB6AEG to enclose notes in the carrier to members of long standing, who are delinquent. They may need a little reminder.

Next Board meeting August 20th QTH of WD6APL.

M.M.S & C. that we donate \$50.00 to the Red Cross to be designated for use in the W6LGW Memorial Station.

Board Members Present were: WB6FOA, WA6MWU, WA6OJT. Members WB6AEG, K6VLH KC6F, W6CU, KA6Q, K6IMV, WB6OFH, W6KLM and Carol, Scott ? , Wa6GON, & WA6JLF.

M.M.S & C. to adjourn.

Respectfully Submitted  
Salley Nikkel WB6FOA  
Secretary

\* \* \* \* \*

### Education

Radio classes will begin for Novice license class training in late September. Firm dates and class schedules will be available soon.

Many persons have already volunteered to help in the many tasks necessary to conduct these classes but more help is needed. If you can help out, please contact Bob Bruder, KA6Q, at telephone 937-5446, or any club officer.

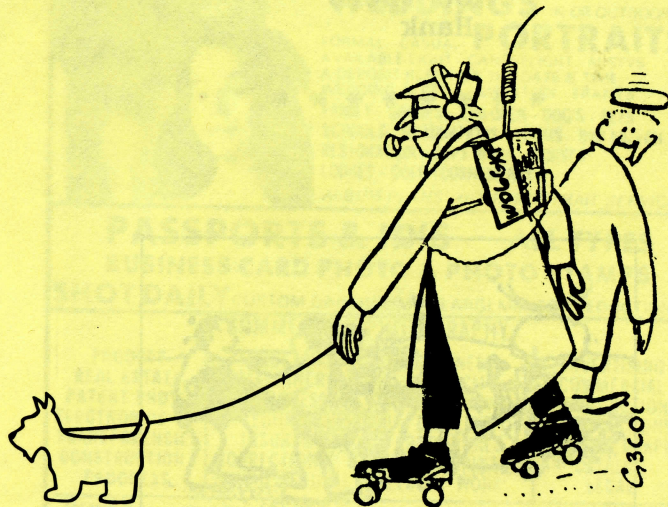
Bob Bruder  
KA6Q

### MDARC FLEA MARKET

A flea market is planned for the day following the September meeting. Volunteers are needed.. Please call Hank, W6AMH if you can help.

\* \* \* \* \*

I don't like to brag but I'd be the first to admit my faults. If I had any.  
Parky, K6IMV



"... and of course, no ignition QRN."

September, 1968 • CQ



## The President's Corner

As I sit here attempting to fill space in the Carrier, the perspiration running down my back, a wish comes to mind. Hopefully this hot weather will not repeat itself on August nineteenth. For this is the date of the MDARC picnic. If it's too hot we won't be able to run our marathon for those over seventy, the hula hoop contests will have few entrants, We will be using rotten eggs in the egg throwing contest, there certainly be few Bikinis for fear of terminal sunburn.

We plan a low key family style picnic. Games and prizes for kids and adults. Volley ball for the middle aged: Geritol for those beyond.

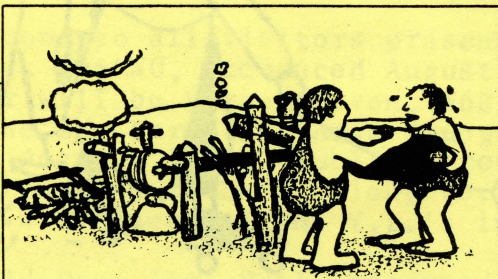
The day at Larkey Park commences at 10 AM with a parking lot Ham Radio flea market for those so inclined, and set-up of tables and volley ball net to reserve the area. Games will be held during mid-afternoon so arrival times are dependent upon individuals taste and/or commitments. We will have cold watermelon for all. Bring your own chow and drinks with a little extra for friends, relatives, and any itinerants who may just drop in.

Swimming on the grounds, one, two, three piece, bikini - bring what you have. We may have a swim suit or costume prize if there are more than one.

Will Monitor 147.66/147.06 for those lambs lost in the woods.

CU there  
Hank

\* \* \* \* \*



How about you taking the "dah" side for awhile?

Tnx - K3SUK, from Kentucky Colonel ARS (KY) bulletin,  
The Ham Call.

## Congratulations

to Carol Lortsher, KA6HHN, daughter of Doug Lortsher, W6KLM. Carol received her Novice ticket on July 27th and shortly thereafter made her first CW contact with Dana, WA6ZGB. Since then, she has been keeping schedules with her brother, Doug, KA6DPW, who presently lives in Sacramento.

Good show, Carol

Bob, KC6F

## Ham Radio Outlet

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## W6LGW MEMORIAL STATION

Why should I help the Red Cross? What has the Red Cross done for me? The following radio amateurs didn't think about asking such selfish questions! These hams gave their time and resources to help build the Red Cross Disaster Communications Center, because they know the Red Cross is PREPARING: PREPARING to work with the Contra Costa County Office of Emergency Services (OES), to provide food, shelter, transportation, and health care service in the event of local man-made calamity or natural disaster; PREPARING to aid the ever increasing numbers of service men and military families and vets knocking on the doors of Diablo Chapter every day; PREPARING to find lodgings, provide food and clothing to citizens involved in fires or tragedy; PREPARING our family members, friends, and public servants to administer first aid and CPR so we don't become silent keys needlessly.

The following hams know they can play a vital part in the Good Neighbor services Diablo Chapter provides. A good portion of that service is preparing for the worst.

Thank you: W6EEN, K6UGS, WA6DON, WB6ZFX, N6ATN, WD6CLZ, WA6KEQ, WD6APL, WB6UMT, W6LKE and the MDARC Board.

The MDARC Disaster Plan the EC is drafting includes plans for involving those of you who have volunteered to work as communicators for the Red Cross Watch for details in future Carriers.

Those of you interested in serving as a volunteer in other disaster areas the Red Cross needs assistance in may contact Dwayne of I for further information.

Doug Smith  
WA6GON 686-3336

## MDRAC CLUB JACKET

To order your light gold club jacket please remit your payment and jacket size from the information listed below to Doug Smith, WA6GON, 1369 Tree Garden Place, Concord, Ca. 94518. If the club orders fifty or more jackets it will be eligible for a ten percent discount on the total purchase. The

discount will either be refunded to you or donated to the Red Cross radio fund as you prefer. The ARES patch from ARRL sells at \$2.50 each for one, or \$1.50 for orders of 25 and up. Tentatively send \$1.50 for your ARES patch. You might like one of these patches on a cool lightweight yellow shirt for those times you don't want to wear your jacket. Order two or more!

Choose from the following jacket styles:

Apollo: Unlined windbreaker with snap front, no pockets \$10.00

Comet: Unlined windbreaker with snap front, pockets \$13.00

Big Leaguer: Lined nylon jacket with pockets, snap front \$17.00

Club Patch: \$14.10

Mens sizes run: S(36-38); M(40-42); L(44-46); XL(48-50); XXL(52-54).

Ladies sizes in Big Leaguer ONLY: 30-32; 34-36; 38-40; 42-44.

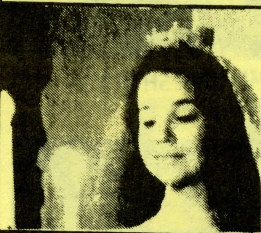
Add \$1.50 per jacket for XXL size.

You may stop by Contra Costa Embroidery and try on these three jackets for size if your not sure what fits. The store is just two doors down from the BASE STATION.

CONCORD - SINCE 1970

## CIRCLE "R" PHOTOGRAPHERS - STUDIO

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CONCORD

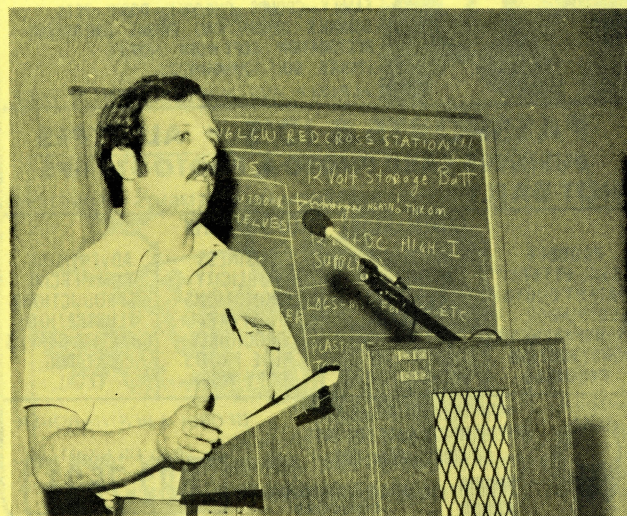




OUR GUEST SPEAKER JOHN WIDNER, WB6UMT

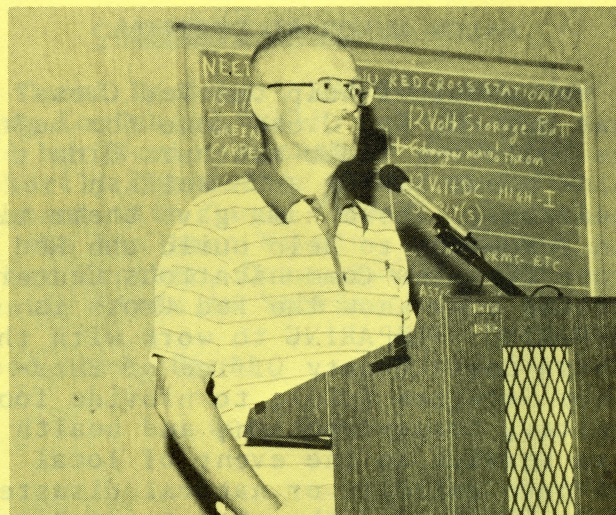


JIM PRESLEY, KB6F (MEMBERSHIP)



RON MILLER, WB6JGV

## GENERAL MEMBERSHIP MEETING



PRESIDENT HANK HERTING, W6AMH



VICE PRES. CHUCK WELCH, WA6MWU  
DICK, WA6YXY      JOE, WA6DQN



DOUG SMITH, WA6GON (ASS'T. E.C.)

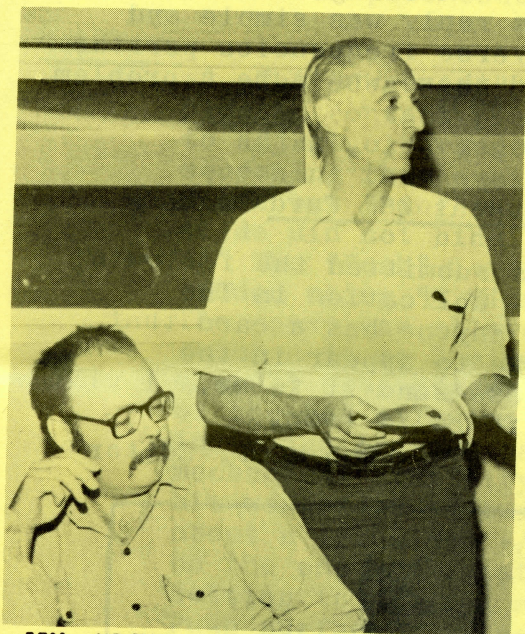




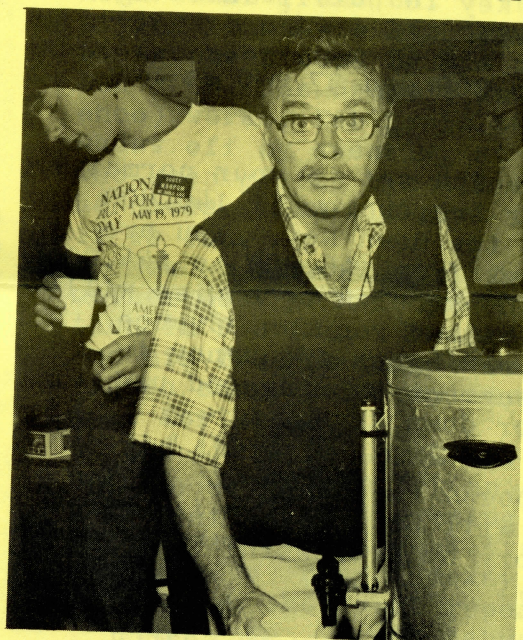
MARK, WD6AFX ELAYNE, WA6TEZ  
CHUCK, WD6FCQ & JUDY, KA6AHO (IN DOOR)



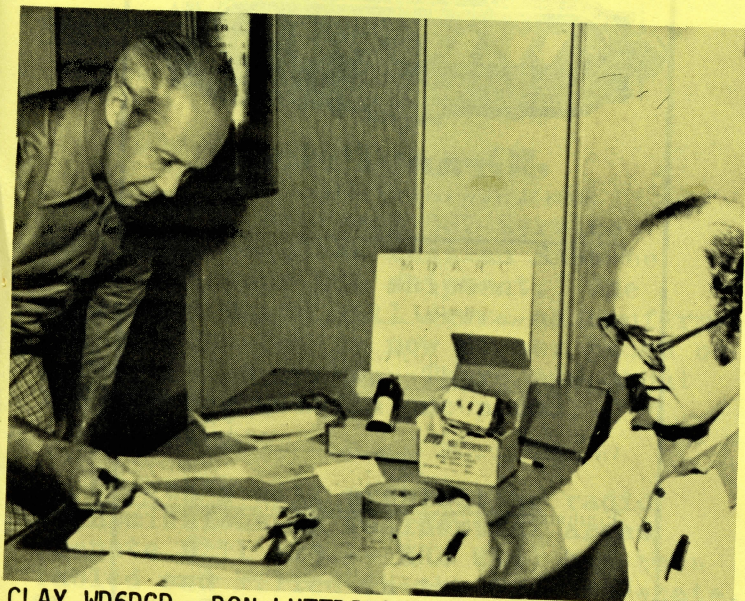
AL, W6TLJ BETTY, WD6GJU & GEORGE  
RON, K6XC



JIM, KB6MN BOB BRUDER, KA6Q  
(EDUCATION CHMN)



JOE, N6ATN



CLAY, WD6DGD RON LUTTRINGER, K6XC (DOOR PRIZE CHM)



HERB KOESTER  
CAROL, KA6HHN  
SCOTT, WB6PQM



### How to Skin a Cat

Bearcat 250 scanner owners CAN search and scan the 2 meter sub-band 144-146 MHz even though this appears not to be possible. The following procedure utilizes the fundamental frequency, not harmonic or images and no modification of the 250 is required. For the purpose of explanation we will call any frequency from 144-146 MHz a "bogus" frequency.

- 1) Select limits for search of 146.000 and 146.010.
- 2) Advance the squelch fully clockwise.
- 3) Depress the up key.
- 4) With 146.000 on the display, depress the lockout key to put it into the recall memory.
- 5) Now enter 36.000 and 37.000 as new search limits.
- 6) With the squelch set to your normal, position for search recall 146.000 and depress the down key. You are now searching from 146.000 to 144.00 Advancing the squelch clockwise will stop scanning and you can advance to any desired bogus frequency in this band segment by repeated use of the up or down keys.
- 7) Once your bogus frequency is on the display it will be entered into recall memory by depressing the lockout key.

Now any bogus frequency in search recall memory can be entered into scan memory as follows:

- 1) Recall desired bogus frequency to the display.
- 2) Advance the squelch fully clockwise.
- 3) Turn the Bearcat 250 off then back on.
- 4) Depress lockout. The bogus frequency is now entered into the channel you were on and the scanner has been advanced to the next channel number.

The frequencies from 420 MHz down to about 307 MHz and the lower portion of the 6 meter band have been searched

as above but using different limits. Perhaps someone will come up with a method of search the 220 MHz band.

Credit to Dave Gordon and  
Bill Nash, W6ATU and  
ACS Echo, June 1979

\* \* \* \* \*

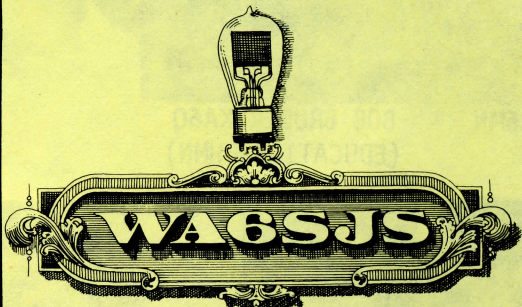
Uncoordinated Repeaters can't expect protection, the Ohio Area Repeater Council told the WR8ARC group at its June meeting. WR8ARC had popped up last year operating reversed from the area band plan, but when an Indiana repeater group (coordinated) was set to go on the same pair and lock them up WR8ARC objected. The OARC's reply was simple and direct -- reverse frequencies per the band plan and there won't be a problem. (HRR259)

\* \* \* \* \*

### Unusual QSL Card

WA6SJS has submitted the following QSL card for publication in The Carrier. If anyone has a card that you would like to appear in the Carrier, please send it to me. I will use it when there is room.

Bob KC6F, Editor

	
<b>JGrant Price</b>	
5093 Merriewood Dr. Oakland, CA 94611	
Radio	_____
CFM am-cw-ssb QSO	_____ 19 _____
GMT	_____ RST _____
Freq	_____ MHz
Equipment	_____
Ant	_____
PSE QSL TXX	



Deepest sympathy to the family and friends of Frank Belleci, KA6ACY, on his death.

# Technical Note

Problem: Intermittent keying of transceiver using Drake 1525 EM Microphone.

Found: a) Slide switch clearance had increased due to wear.  
b) "Push" lever had to be squeezed very tightly to maintain even poor contact.

## Solution:

a) The "dog ears" holding the plastic contact plate had room to adjust clearance by GENTLY squeezing them against the plate but being sure that the slide did not bind.  
b) The "Push" lever was extended using "5 Minute" epoxy. The epoxy was allowed to take about a 1½ to 2 minute set and a small drop placed on the end of the Rod allowing it to run in to the crossed part for mechanical stability. Another bit was added to build up about a 1/16 inch +/- "ball" on the end and rotated while setting to provide a rounded Push surface. If necessary, the epoxy ball can be filed to fit.

Result: Solid contact.

Dick, WA6ODA

\* \* \* \* \*

## The ARRL overseas QSL Service

no longer requires that an SASE be sent with your QSL shipment. The cancelled check will serve as confirmation. The fee is now \$1 per pound or portion of a pound. There are about 155 average QSLs in one pound.

(HRR259)

Oregon's bill prohibiting radio transmissions in residential areas (Senate Bill 423 -- HRR 245) has been tabled and killed in the Oregon Senate. Thanks WA7PKA. (HRR259)

Any of us who have monitored 2 meters for the last few years have been aware of the problem of illegal operators playing music, using vulgar language and being a general nuisance in many other ways. We have blamed the problem (and sometimes rightly so) on bad hams (there are a few), stolen rigs, and the ease with which equipment can be purchased. But let's look at some other probabilities.

For instance...John, whose father is a ham comes home from college for two weeks vacation. While he's home he borrows dad's car to get around. Friday night, after a few drinks at his favorite bar, John shows his friends how much fun it can be playing with his father's radio.

Or ... Bob, who is 17, a junior in high school, and out with his date trying to make a big impression. After being questioned by his girl as to how Dad's CB (She doesn't know the difference) works, Bob grabs the mike and shows off by swearing at the operator's who keep giving him all the attention he needs. And his girl friend thinks it is fun.

Now we have Don ... Don's father and mother decided to take a two weeks vacation in Florida. In their absence Don and his friends have a ball using Dad's rig to annoy hams any way they can, just for kicks.

And there is Chuck ... who took his car to the garage for an overnight stay. Later that evening the station's night crew (which consists of two high school kids) play "Smokey and the Bandit" on the local repeaters.

Then Joan ... she babysits for the local ham's family. Soon after she's left alone with the kids, her boy friend stops by. He spots the 23 channel "CB" (an ICOM 225) next to the arm chair and more garbage is heard on "2".

Although the names as well as examples are fictitious, I'm sure all of us have left our equipment operable at times we should have disabled it. Before we condemn others, let's make sure our own rigs are not being used illegally. (Chuck, WA2ZON)

From RAGS REVIEW  
(Syracuse New York)



Congratulations to Roy Stuart, W6JXI, and XYL Phyllis, who celebrated their golden wedding anniversary recently.

\* \* \* \* \*

Bob Moore, W6GZC, and XYL Fran are enjoying their vacation in Colorado and Oregon. Bob is the contributor of the "Cryptograms" currently being published in The Carrier.

\* \* \* \* \*

#### Tech Forum

The group will begin meeting on 15 meters at 21,375 plus or minus 5 KHZ. Dana, WA6ZGB will be net control. It will meet weekly beginning August 20th at 8 PM. All amateurs are welcome, whether or not they be club members.

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#### Correct Amateur Radio Operation

From THE BULL-N-TEN (Triple States ARC: OH-WV-PA)

No "3's", "8's", or "Seventy-Thirds"! (A column dedicated to better operations with no intent to offend or criticize, with the sincere hope that it will be taken in the right spirit).

Unless it is a training net or exercise, it is difficult, maybe impossible to offer a voice suggestion on how another operator might improve his operation. Isn't it strange, how one can normally offer constructive suggestions on CW but not on voice? Most authorities agree that the main reason for the tremendous growth of the Amateur Radio Service of the past few years has been due to the previous CB explosion. Operators from that service desirous of a better operation, have occasionally brought along some of the things that they wanted to leave -- CB slang, as an example. One is starting to hear in the Amateur Radio Service expressions such as "threes," "eights," and "seventy-thirds." In Amateur Radio, there is no such terminology! What they are trying to say and mean, which in the first case means "Best regards," and the second, "Love and kisses." Since that is what

it means and stands for, it then becomes the correct operating procedure not to pluralize something that is already plural. Don't add another "S" to it in translation or there is going to be so many "esses" in the meaning, it is going to sound like a snake hissing. Let's keep the Amateur language as pure as we can, as long as we can, or if we don't the next thing we will all be talking "pidgin Amateur Radio" and the person listening for the first time to Amateur Radio that says, "Why that sounds just like the CB band" will be more than right!

\* \* \* \* \*

#### Please! Please! Please!

Stay away from the "Space" subband frequencies when you are in non-satellite communications.

Internationally-agreed upon band planning sets aside 145.800 to 145.999 for "Space" communications. Simplex FM is being heard there and it's causing disruptions to satellite use -- the strong and wide FM communications black out satellite signals that run but 1 or 2 watts, further divided among all the signals using the satellite.

Avoid such harmful interference and stay away from 145.8 - 145.999 except when using the satellites.

On 10 meters, frequencies in use for satellite communications is from 29.35 to 29.502 MHz. Increased non-satellite use has been noted here lately (much of it from converted CA rigs.)

Ordinary QSO and DX operation here is a growing problem. Amateur satellites are used by hams world-wide -- please don't give the United States another bad appearance around the world.

From LEARA Newsletter, Cleveland, OH

\* \* \* \* \*

It is usually the net control that starts the bull rolling.

If you're studying for a General License, we've found a labor saving device -- tomorrow.

ARNSB, July 1979



### This Month's Problem

There is no catch in it and the answer can be worked out by many people in five or ten minutes. Every fact is important, and must be considered. Solution next month.

The problem: A crew at a field day site, Adan, Betty, and Charley, consist of a Dup sheet controller, a logger and a control operator, but not respectively. Also part of the crew are three non-ham helpers who have the same names as Adam, Betty, and Charley.

1. Non-ham Betty lives in Concord.
2. The logger lives in Lafayette.
3. Non-ham Charley has three children.
4. The logger's nearest neighbor, a non-ham member of the crew, has twice as many children as the logger.
5. Adam beats the Dup sheet controller at checkers.
6. The non-ham member whose name is the same as the logger, lives in Walnut Creek.

Who is the control operator?

By: Bill, W2CU, solution next month.  
\* \* \* \* \*

### Technical References Needed

Paul, WB6DHH, is doing research in low noise, low intermodulation, receiver front-ends. He needs several technical articles for the research. These articles are contained in the following publications:

QST	- January 1957
CQ Magazine	- March 1976
Ham Radio	- October 1976
Ham Radio	- March 1977

Paul will copy the articles then return the magazines and will be very careful not to damage them. He also will pay any expenses involved, such as postage.

If you can help, please call him at 933-9940.

\* \* \* \* \*

Did you hear about the Technician they called "Jig Saw?" Every time he went for his General he went to pieces.  
(ARNSE July 1979)

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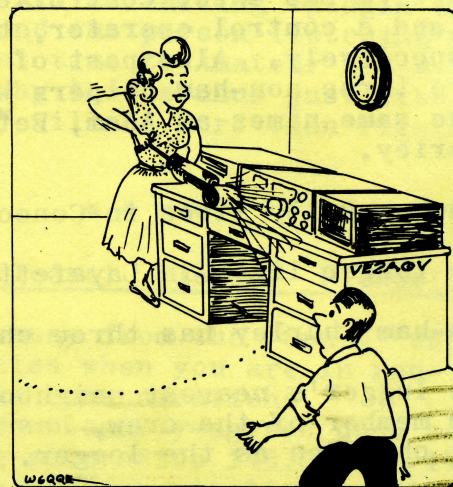
## This Month's Cryptogram

By W6GZC

In a puzzle-type cryptogram each letter represents a different letter. To solve a cryptogram you must determine which letters the various cryptogram "letters" represent.

F L ' Y Z S T O D R X  
W R S C R S Z L D O F X D:  
L I D O D Y Y F B C R S L-  
Z V L Q R T Z S D R V  
L I D R S J Z V F H Z L F-  
R V W I Z S L, L I D  
B R S D Q R T ' O O E D  
B F Y Y D U F X Q R T  
U R V ' L Y I R N T C  
X R S N R S A.

Last month's solution: Just think how far we've come in the twentieth-century. The man who used to be a cog in the wheel is now a digit in the computer.



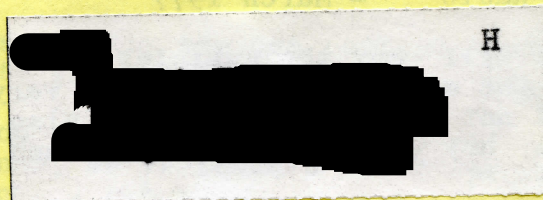
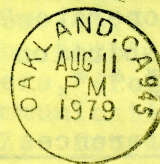
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